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2123
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/058,150

Filed: October 29, 2001

Inventor(s):

Brian Keith Odom, Joseph E.
Peck, Hugo A. Andrade, Cary
Paul Butler, James J. Truchard,
Newton G. Petersen and Matthew
Novacek

Title: Reconfigurable
Measurement System
Utilizing a Programmable
Hardware Element and
Fixed Hardware Resources

§ Examiner: Unknown
§ Group/Art Unit: 2123
§ Atty. Dkt. No: 5150-61502

§ I hereby certify that this correspondence is being deposited with
§ the United States Postal Service with sufficient postage as first
§ class mail in an envelope addressed to Commissioner for
§ Patents, Office of Initial Patent Examination, Customer Service
§ Center, Washington, DC 20231, on the date indicated below.

Jeffrey C. Hood

Name of Registered Representative

J. C. Hood

8/7/2002

Signature

Date

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Technology Center 2100

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant requests consideration of the references listed on the attached Form PTO-1449 and/or the additional information identified below in paragraph 3. A copy of each of the references listed on the Form PTO-1449 were previously submitted to or cited by the U.S. Patent and Trademark Office in U.S. Application Serial Nos. 10/034,565; 09/499,503; and 09/229,695 now Patent No. 6,311,149 to which the captioned application is seeking priority under 35 U.S.C. §120.

1. This Information Disclosure Statement is submitted:

a. within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);

- within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;
- before the mailing date of a first Office Action on the merits; or
- before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

b. after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: the certification of paragraph 2 below is provided, or a fee of \$180.00 is enclosed.

c. after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.

2. It is hereby certified:

- that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.

3. Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:

4. For each non-English language reference listed on the attached Form PTO-1449:

- reference is made to an English language translation submitted herewith, and/or
- reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- reference is made to the concise explanation contained in the specification of the present application at page(s) _____, and/or
- reference is made to the concise explanation set forth below:

5. Applicant also offers the following comments for the Examiner's consideration:

6. Also enclosed is a copy of a foreign search report citing these references.
7. The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8. Applicant(s) request that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

CHANGE OF ADDRESS

The Patent Office is respectfully requested to direct all future correspondence for this case to the below-referenced address.

If any required fees are missing, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 03-2769/5150-61502/JCH.

Respectfully submitted,



Jeffrey C. Hood
Reg. No. 35,198
Attorney for Applicant(s)

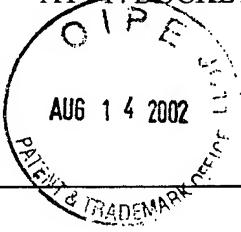
CONLEY, ROSE & TAYON, P.C.
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AUSTIN, TEXAS 78767-0398
(512) 476-1400

Date: 7/9/202

Form PTO-1449 (modified)
 List of Patents and Publications
 For Applicant's Information
 Disclosure Statement
 (Use several sheets if necessary)

ATTY DOCKET NO: 5150-61502

SERIAL NO: 10/058,150

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APPLICANT: Odom et al.

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GROUP: 2123

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	4,849,880	7/18/89	Bhaskar et al.			
	A2	4,901,221	2/13/90	Kodosky et al.			
	A3	5,109,504	4/28/92	Littleton			
	A4	5,437,464	8/1/95	Terasima et al.			
	A5	5,497,498	3/5/96	Taylor			
	A6	5,535,342	7/9/96	Taylor			
	A7	5,555,201	09/10/1996	Dangelo et al.			
	A8	5,566,295	10/15/96	Cypher et al.			RECEIVED
	A9	5,583,749	12/10/96	Tredennick et al.			
	A10	5,603,043	02/11/1997	Taylor et al.			AUG 19 2002
	A11	5,603,043	2/11/97	Taylor et al.			Technology Center 2100
	A12	5,652,875	7/29/97	Taylor			
	A13	5,684,980	11/4/97	Casselman			
	A14	5,732,277	03/24/1998	Kodosky et al.			
	A15	5,784,275	7/21/98	Sojoodi et al.			
	A16	5,847,955	12/98	Mitchell et al.			
	A17	6,219,628	04/2001	Kodosky et al.			
	A18	6,226,776	05/01/2001	Panchul et al.			
	A19	6,230,307	05/08/2001	Davis et al.			
	A20	6,311,149	10/30/2001	Ryan et al.			

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION. YES/NO
	A21	WO 94 10627 A	5/11/94	PCT			
	A22	WO 94 15311 A	7/7/94	PCT			
	A23	WO 96 14618 A	5/17/96	PCT			

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	APPLICANT: Odom et al.	
	FILING DATE: October 29, 2001	GROUP: 2123

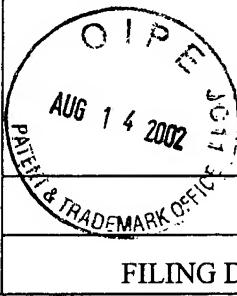
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A24	Douglas, Bruce D., Ph.D., "Custom Embedded Communication Protocols, Conference Proceedings of Embedded Systems Conference East, March 10-12, 1997, Boston, Massachusetts, pp. 637-657.
A25	Labrosse, Jean, "Inside Real-Time Kernels," Conference Proceedings of Embedded Systems Conference East, March 10-12, 1997, Boston, Massachusetts, pp. 205-214.
A26	Labrosse, Jean, "Designing with Real-Time Kernels," Conference Proceedings of Embedded Systems Conference East, March 10-12, 1997, Boston, Massachusetts, pp. 379-389.
A27	Operating Systems, 2 nd Ed. By Williams Stallings, Prentice Hall, 1995, "Multiprocessor and Real-Time Scheduling", pp. 394-415.
A28	International Search Report for PCT/US 98/10916 dated 9/17/98.
A29	"LabVIEW USER MANUAL for Windows", National Instruments Co., pp. 4/1-21.
A30	Beguelin et al., "Visualization and Debugging in a Heterogenous Environment," IEEE, pp. 88-95.
A31	Jamal et al., "The Applicability of the Visual Programming Language LabView to Large Real-World Application," IEEE, pp. 99-106.
A32	Per-Arne Wiberg, "Graphical Programming of Time-Deterministic Real-Time Systems," IEEE, pp. 173-180.
A33	XP0002087124 Xiao-Yu, et al., "Software Environment for WASMII: A Data Driven Machine with a Virtual Harware," Field Programmable Logic Architectures, Synthesis and Applications, 4 th International Workshop on Field-Programmable Logic and Applications, FPL '94 Proceedings, Berlin Germany, 1994.
A34	XP000554820 Edwards, et al., "Software acceleration using programmable hardware devices," IEEE Proceedings: Computers and Digital Techniques, Vol. 143, No. 1, January 1996, pp. 55-63.
A35	XP000380758 Lesser, et al., "High Level Synthesis and Generating FPGAs with the BEDROC System," Journal of VLSI Signal Processing, Vol. 6, No. 2, August 1993, pp. 191-214.
A36	International Search Report for PCT/US 98/13040 mailed 12/22/98.
A37	Ade, M; Lauwereins, R; Peperstraete, J.A.; Hardware-Software Codesign with GRAPE, Proceedings of the Sixth IEEE International Workshop on Rapid System Prototyping, pp. 40-47, June 1995.
A38	De Coster, GRAPE-II: An Introduction [online]. Automatic Control and Computer Architectures Department. Katholieke Universiteit Leuven, Belgium, February 22, 1996 [retrieved October 6, 1999] Retrieved from the Internet @ http://www.esat.kuleuven.ac.be/acca .

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A39	Wenban et al., A Software Development System for FPGA-based Data Acquisition Systems, Proceedings of the IEEE Symposium on FPGAs for Custom Computing Machines, pp. 28-37, April 1996.
A40	Collamati et al. "Induction Machine Stator Fault On-line Diagnosis Based on LabVIEW Environment", Mediterranean Electrotechnical Conference, Vol. 1, pg. 495-498, May 1996.
A41	Spoelder et al., "Virtual Instrumentation: A Survey of Standards and Their Interrelation", Proc. IEEE Instr. And Measurement Tech. Conf., Vol. 1, pp. 676-681, May 1997.
A42	Srinivasan et al., "LabVIEW program Design for On-Line Data Acquisition and Predictive Maintenance", Proc. Of the 30th Southeastern Symp. On System Theory, pp. 520-524, March 1998.
A43	Wahidanabu et al., "Virtual Instrumentation with Graphical Programming for Enhanced Detection and Monitoring of Partial Discharges", Proc. Electrical Insulation Conf. 1997, pp. 291-296, September 1997.
A44	Fountain: "Software advances in measurement and instrumentation"; IEE Coll. Software Instrumentation; pp. 4/1 to 4/45.

EXAMINER :

DATE CONSIDERED :

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)
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